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(71)Applicant : MITSUBISHI ELECTRIC CORP

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(72)Inventor : MIZUTA MASAHARU

(54) WAFER PROBER

(57)Abstract:

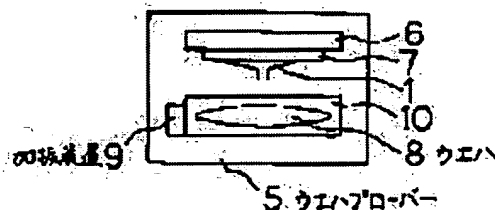
PROBLEM TO BE SOLVED: To make good contact at low contact resistance at the time of wafer test and minimize probe flaws on a pad surface, by applying vibration movement to either a probe needle or a pad in a specified very small width in longitudinal and lateral directions at low speed, while pressure is applied to between the probe needle and the pad.

SOLUTION: A probe card 7 is attached to a probe card fixing part 6 so that a probe needle 1 of the card 1 is brought into contact with a predetermined pad 3 on a chip of a wafer 8. A vibrator 9 is mounted on a stage 10 of a wafer prober 5, and after the wafer prober is positioned, the wafer 8, that is a side of the pad, is vibrated while force is applied to between the probe

needle 1 and the pad to bring them in contact. At this time, the vibrator 9 is vibrated with a

very small width of approximately 10 μ m both in longitudinal and lateral directions at such low

speed that it reciprocates once or twice for a few (one or two) seconds. Thus, good contact is possible at low contact resistance at the time of wafer test, and probe flaws on a pad surface at the time of contact can be minimized.



LEGAL STATUS

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